



Control NO. : PBN-ML320FB-2

# Material Safety Data Sheet

**Ink Ribbon**

**For : ML320FB ML390FB ML5330FB**

**Oki Data Corporation**

# Oki Data Corporation

## SAFETY DATA SHEET

RBN-ML320FB

### 1. Identification of the substance/preparation and of the company/undertaking

Product name : ML320FB ML390FB ML5330FB  
Code : 43652501 4PB4053-1453P002  
Manufacturer : Oki Data Corporation  
4-11-22, Shibaura, Minato-ku, TOKYO, 108-8551 JAPAN  
Tel. +81-3-5445-6106. Fax +81-3-5445-6177  
Supplier : Oki (Europe) Ltd.  
1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK  
Tel. +44(0) 1236 502502  
Emergency telephone number : Tel. +44(0) 1236 502502  
Emergency e-mail contact : [MSDSQuestions@okieurope.com](mailto:MSDSQuestions@okieurope.com)

### 2. Hazards identification

#### GHS classification

##### PHYSICAL HAZARDS

Explosives : No classification  
Flammable gases : Not applicable  
Flammable aerosols : Not applicable  
Oxidizing gases : Not applicable  
Gases under pressure : Not applicable  
Flammable liquid : No classification  
Flammable solid : No classification  
Self-reactive substances and mixtures : No classification  
Self-igniting liquids : Not applicable  
Self-igniting solids : Outside category  
Self-heating substances and mixtures : No classification  
Substances and mixtures which emit flammable gases when they come in contact with water : Outside category  
Oxidizing liquids : No classification  
Oxidizing solids : No classification  
Organic peroxides : No classification  
Substances corrosive to metals : No classification

##### HEALTH HAZARDS

Acute toxicity (oral) : No classification  
Acute toxicity (dermal) : No classification  
Acute toxicity (respiratory: gases) : Not applicable  
Acute toxicity (respiratory: vapors) : No classification  
Acute toxicity (dust) : No classification  
Acute toxicity (mist) : No classification  
Skin corrosion/irritation : Category 3  
Serious eye damage/irritation : Category 2A  
Respiratory sensitization : No classification  
Skin sensitization : No classification  
Germ cell mutagenicity : Category 2  
Carcinogenicity : Category 2  
Reproductive toxicity : No classification  
Specific target organ systemic toxicity (Single exposure) : Category 2 (lungs)  
Specific target organ systemic toxicity (Repeated exposure) : Category 1 (lungs, skin)  
Aspiration hazard : No classification

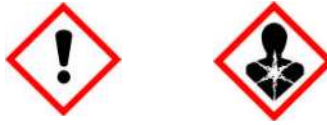
##### ENVIRONMENTAL HAZARDS

Acute toxicity to aquatic environment : No classification  
Chronic toxicity to aquatic environment : No classification

# RBN-ML320FB

## LABEL ELEMENT

Pictogram or symbol



Signal word : **Danger**

Danger/toxicity information : **Causes mild skin irritation.  
Causes serious eye irritation.  
Suspected of causing genetic defects.  
May cause damage to lungs.  
Causes damage to lungs and skin through prolonged or repeated exposure.**

Notes : **Should be stored in cool, dark places.  
Wear protective gloves when required.  
Avoid ingestion.**

## 3. Composition/information on ingredients

Distinction between single products and mixtures : **Mixtures**

Generic name : **Ink ribbon**

Chemical name :

Ingredients	Content (%)	Chemical Substances Control Law No.	CAS No.
Carbon black	4	Not applicable	1333-86-4
Other coloring materials	Confidential		
Mineral oil	19	9-1692	8012-95-1
Other oils	Confidential		
Additives	Confidential		
Nylon 6-6 fabric	Confidential		
PSM fiber	Confidential		

## 4. First aid measures

Contact with skin : **Wash with soap and lots of water.**

Contact with eyes : **Flush eyes with lots of water and seek advice of a physician.**

Inhalation : **Not applicable**

Drink : **Seek advice of a physician.**

## 5. Fire-fighting measures

Suitable extinguishing media : **Water, foam, dry powder, CO2 gas, others**

Prohibited extinguishing media : **None**

Special hazard : **None**

Special fire-fighting procedure : **None**

Special protective equipment : **Use suitable respiratory equipment and wear protective clothing as required.**

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures : **None**

Environmental precautions : **Mistakenly unwound ribbons that cannot be rewound and used ribbons must be recovered and properly disposed of.**

Recovery/neutralization : **Mistakenly unwound ribbons must be rewound.**

Method/equipment for cordoning and cleaning : **Not applicable**

Prevention of secondary disasters : **Not applicable**

## 7. Handling and storage

### Handling

Technical measures	:	Wear protective gloves when required.
Local and general ventilation	:	Not applicable
Safety/handling precautions	:	Must not be ingested. Wash hands after handling.
Avoid contact	:	None

### Storage

Technical measures	:	Not applicable
Incompatibility with other materials	:	No data
Storage conditions	:	Should be stored in cool, dark places.
Packaged Materials/materials stored in containers	:	Not applicable

## 8. Exposure controls/personal protection

Controlled concentration	:	Not established
Allowable concentration	:	Not established as a product ACGIH Carbon black TLV-TWA 3.5 mg/m3 Mineral Oil TLV-TWA 5.0 mg/m3
Facility measures	:	Not applicable
<b>Personal protection</b>		
Respiratory protection	:	Not applicable
Hand protection	:	Wear protective gloves when required.
Eye protection	:	Not applicable
Skin and bodily protection	:	Not applicable
Personal hygiene	:	Wash hands after handling.

## 9. Physical and chemical properties

Appearance, physical state	:	Nylon 6-6 fabric and PSM fiber impregnated with liquid black ink
Odor	:	Odorless
pH	:	No data
Freezing/melting point	:	No data
Boiling point, initial boiling point and boiling point range	:	No data
Flash point	:	Min. 150°C
Explosive range	:	No data
Vapor pressure	:	No data
Vapor density	:	No data
Specific gravity	:	No data
Solubility	:	Insoluble in water
Octanol/water partition coefficient	:	No data
Autoignition temperature	:	No data
Decomposition temperature	:	No data
Odor threshold level	:	No data
Evaporation rate (butyl acetate = 1)	:	Not applicable
Combustibility (solids, gases)	:	Not applicable
Viscosity	:	No data

## 10. Stability and reactivity

Stability	:	Stable under ordinary conditions
Dangerous/toxic reaction potential	:	No data
Conditions that must be avoided	:	No data
Incompatibility with other materials	:	No data
Hazardous decomposition products	:	No data

## RBN-ML320FB

### 11. Toxicological information

Acute toxicity	:	No data
Skin corrosion/irritation	:	Mineral oil is Category 3. Category 3 was decided upon because it contains a minimum of 10%.
Serious eye damage/irritation	:	Mineral oil is Category 2A. Category 2A was decided upon because it contains a minimum of 10%.
Respiratory sensitization/ skin sensitization	:	No data
Germ cell mutagenicity	:	Carbon black is Category 2. Category 2 was decided upon because each contains a minimum of 1%.
Carcinogenicity	:	Carbon black is Category 2. Category 2 was decided upon because each contains a minimum of 1%.
Specific target organ systemic toxicity (Single exposure)	:	Mineral oil is Category 2. Category 2 was decided upon because it contains a minimum of 10%.
Specific target organ systemic toxicity (Repeated exposure)	:	Carbon black is Category 1. Category 1 was decided upon because each contains a minimum of 10%. Due to the form and the way the product is used, however, the probability of carbon black or ink contained splashing is considered low.
Aspiration hazard	:	No data

### 12. Ecological information

None

### 13. Disposal considerations

Must be disposed of in accordance with pertinent laws and local standards.

### 14. Transport information

#### UN regulations

UN category	:	Not applicable
UN No.	:	Not applicable
JP regulations	:	None
Special safety measures	:	None

### 15. Regulatory information

Industrial Safety and Health Law	:	Hazardous substances that must be named (Ordinance Article 57, No. 2; implementation No. 18, Article 2, Table 9) Carbon black (government ordinance No. 130) Mineral oil (government ordinance No. 168)
Fire Service Law	:	Specified combustible materials, combustible solids

### 16. Other information

None

#### Handling of contents

Not all materials and sources were investigated, and some information may consequently be left out. Contents are subject to change in the case of new findings or correction of existing descriptions. If used for important decisions, etc., we recommend proving by testing, etc. The figures given for content, physicochemical properties, etc., are not guaranteed.

The precautions contained herein apply to ordinary handling. This should be considered in the case of special handling.